

Geographic Information Systems (GIS)

GIS: Overview/Modeling/Planning

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- Formation of the GIS Task Force
- Research the various GIS users in VDH
- Consolidate ESRI (ArcView family of products) licenses under one VDH master license
- Share data
- Benefit from experience of others

GIS: Overview/Modeling/Planning

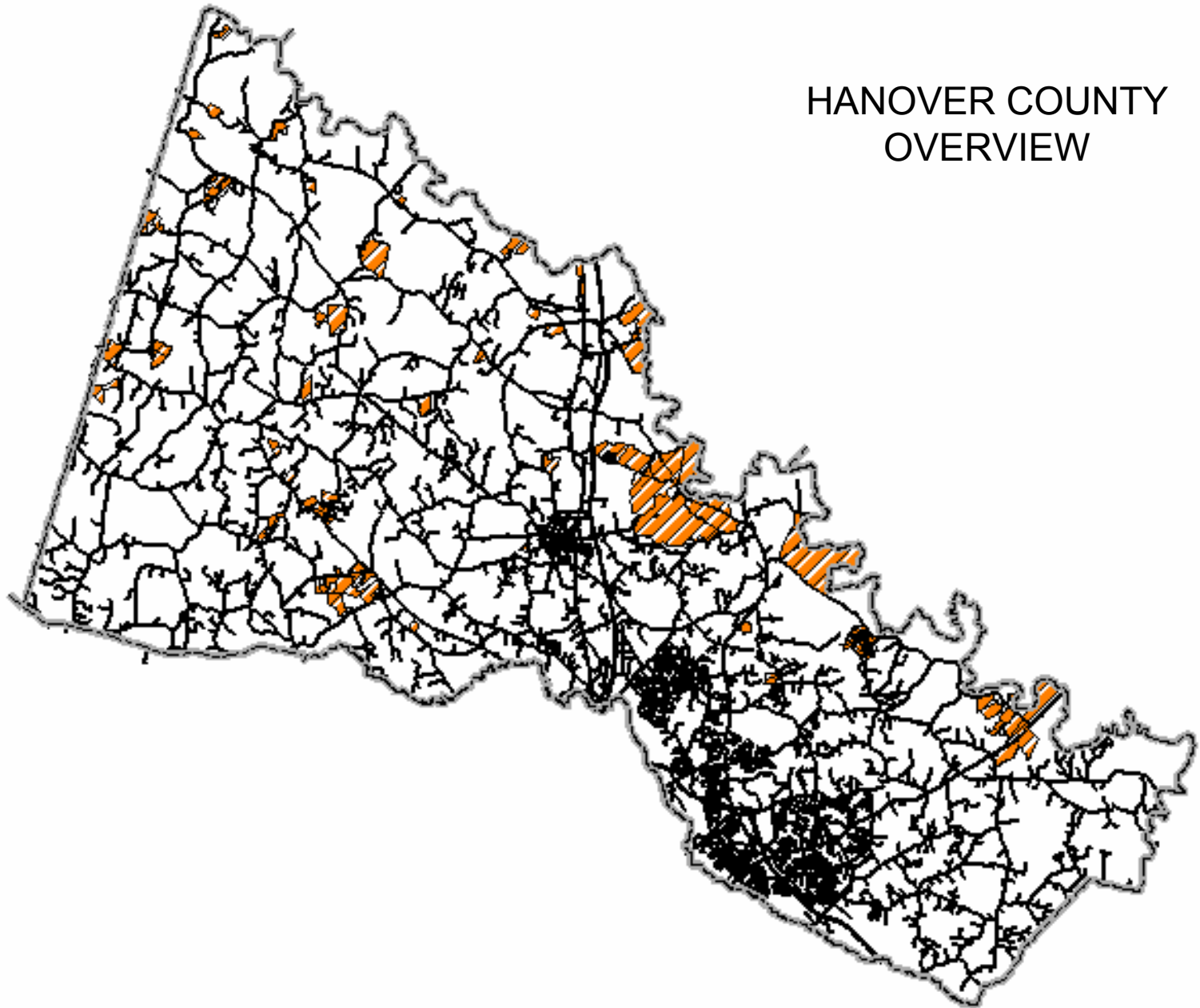
- GIS is being used in various offices, districts, and programs within VDH
- Current use is coordinated within the individual office, district, or program
- Some collaboration occurs within VDH
- Some collaboration occurs with other agencies

Biosolids GIS

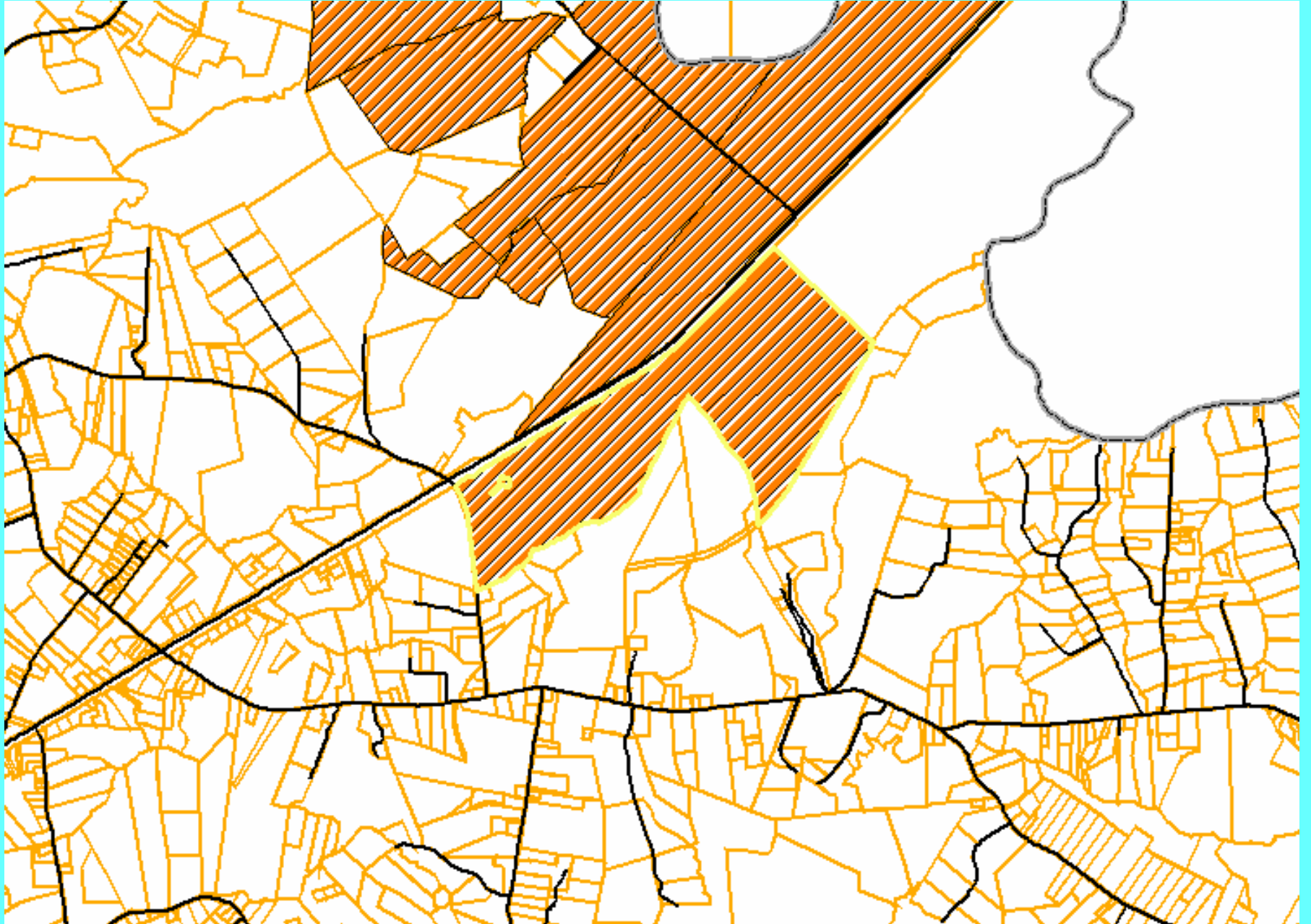
Division of Wastewater
Engineering

Dr. Cal Sawyer, Director

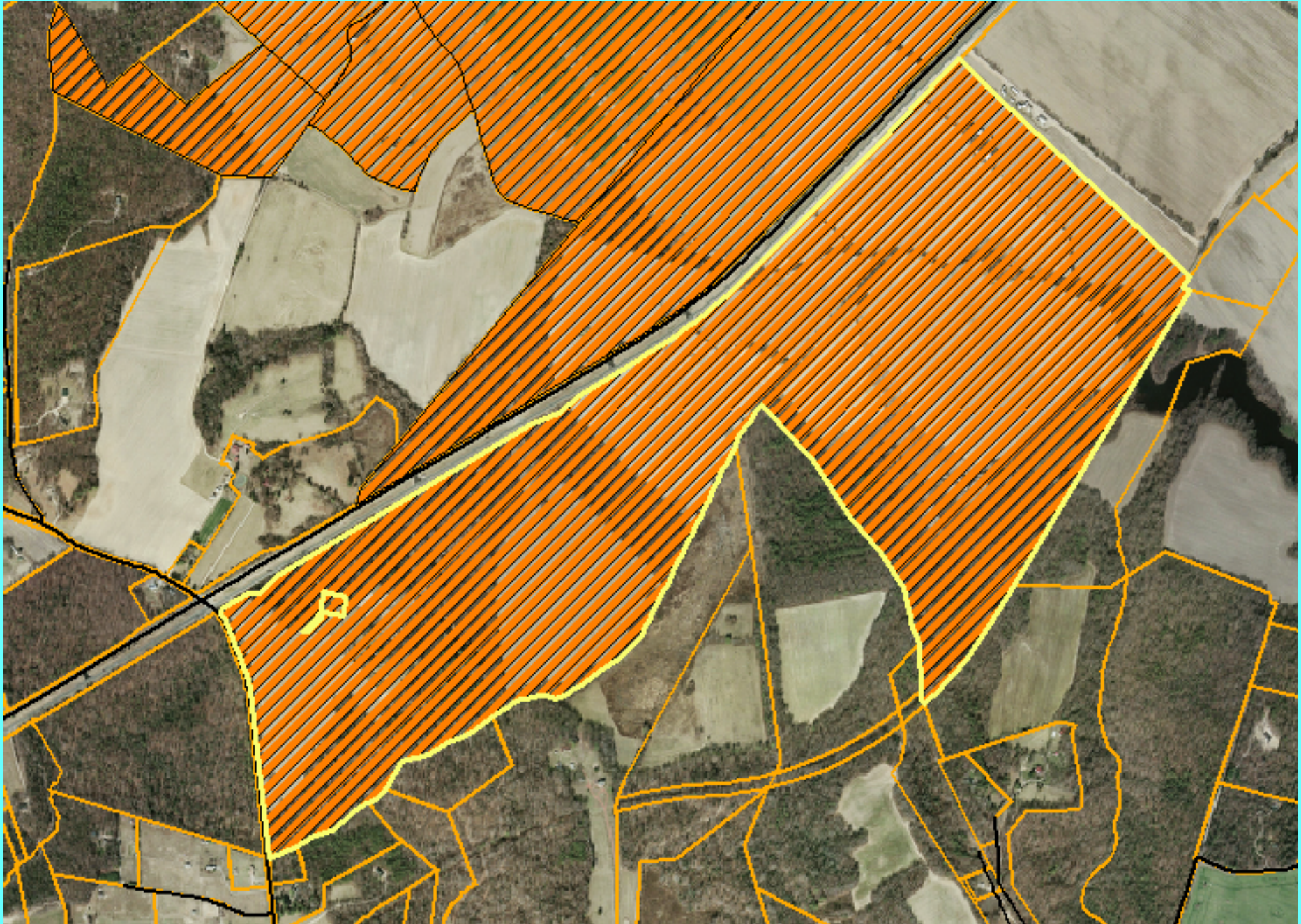
HANOVER COUNTY OVERVIEW



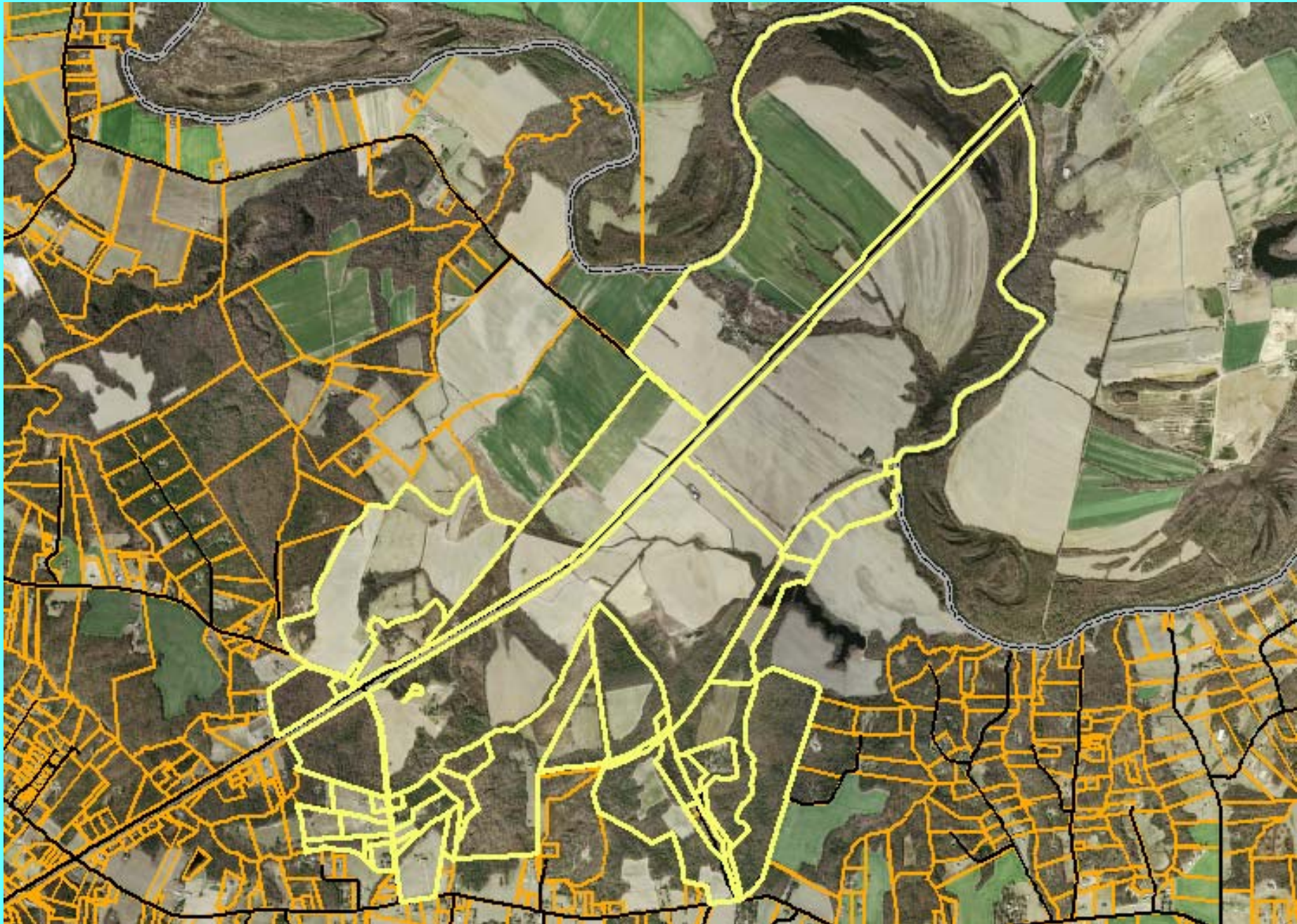
BROADDUS SITE



BROADDUS SITE



PROPERTIES WITHIN 1000' OF BROADDUS SITE



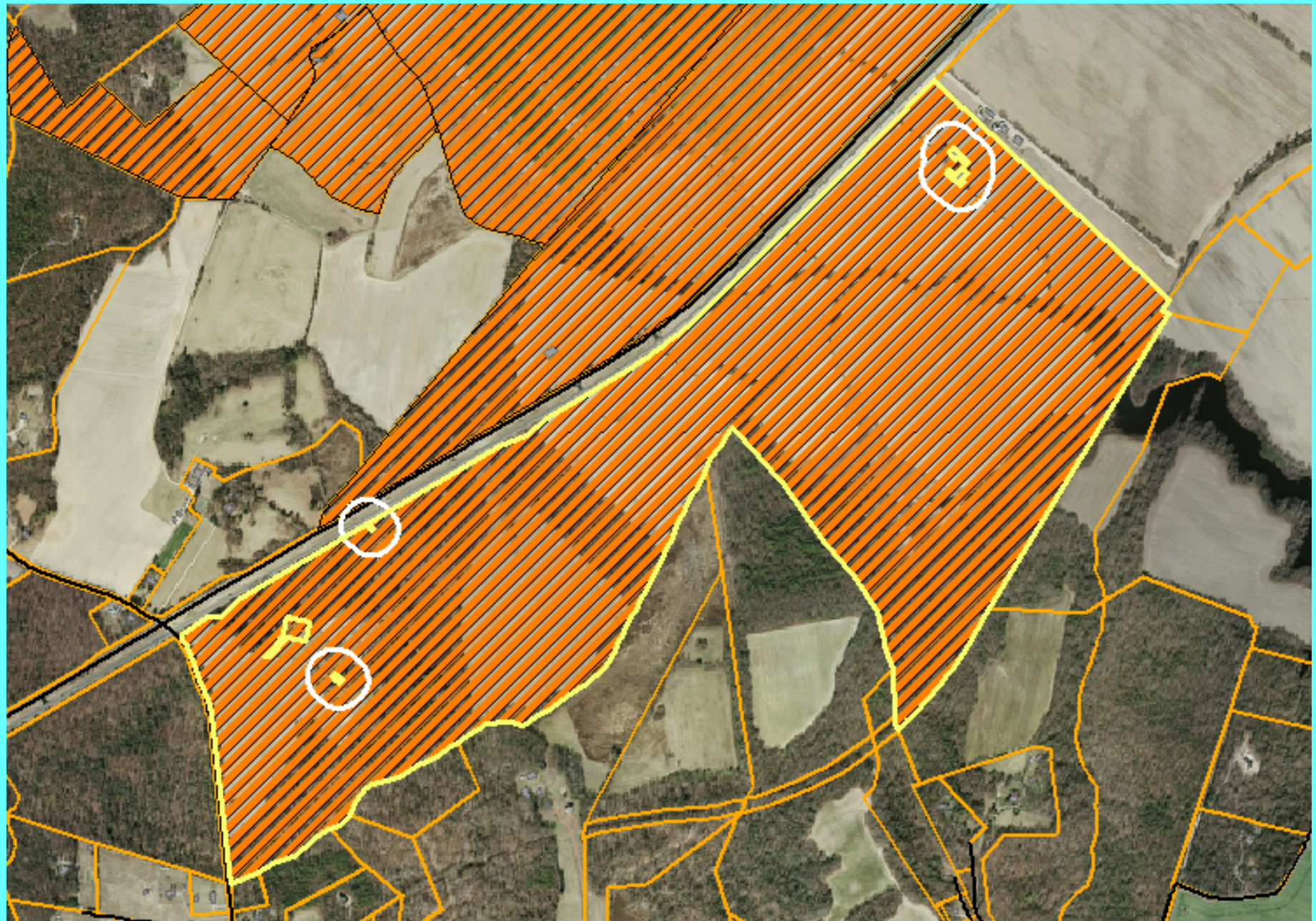
5/11/2004

Properties within 1000' of Broadus site

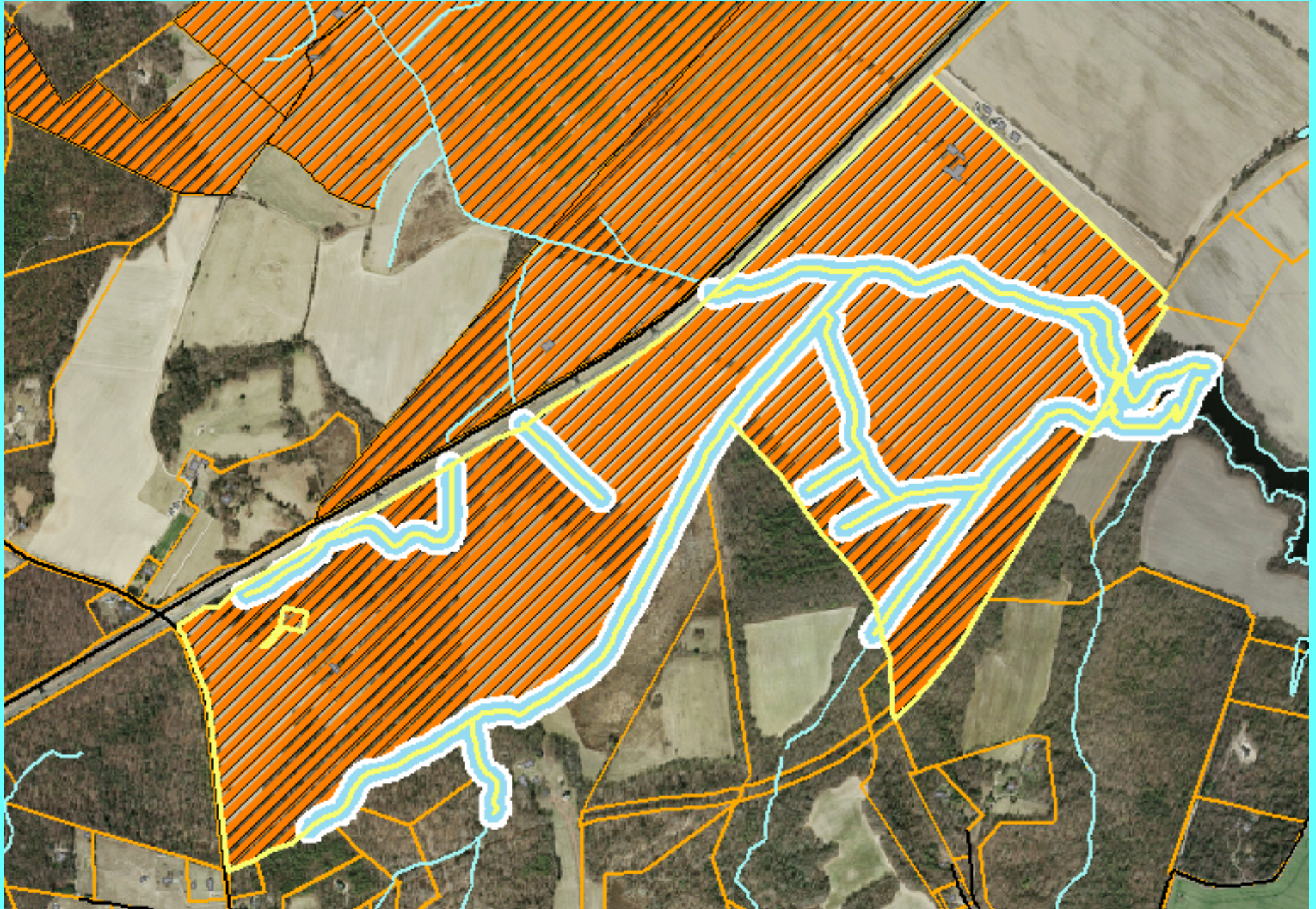
GPIN	OWNERNAME	MAILINGADD	CITY STATE	ZIP	ZONING	TOTAL	ACRES
						VALUE	
			MECHANICSVILLE VA	23111	A-1	\$178,100	6.00
			MECHANICSVILLE VA	23111	A-1	\$332,500	10.00
			MECHANICSVILLE VA	23111	A-1	\$8,600	26.00
			MECHANICSVILLE VA	23116	A-1	\$127,000	2.17
			MECHANICSVILLE VA	23111	A-1	\$91,600	2.78
			MECHANICSVILLE VA	23111	A-1	\$165,200	4.56
			MECHANICSVILLE VA	23111	A-1	\$223,100	9.98
			MECHANICSVILLE VA	23111	A-1	\$201,200	7.80
			MECHANICSVILLE VA	23111	A-1	\$187,200	2.00
			MECHANICSVILLE VA	23111	A-1	\$18,100	44.20
			WALKERTON VA	23177	A-1	\$130,300	1.00
			WALKERTON VA	23177	A-1	\$259,100	169.93
			MECHANICSVILLE VA	23111	A-1	\$124,100	2.08
			MECHANICSVILLE VA	23111	A-1	\$416,800	24.12
			MECHANICSVILLE VA	23111	A-1	\$500	1.08
			MECHANICSVILLE VA	23111	A-1	\$205,300	10.12
			MECHANICSVILLE VA	23116	A-1	\$96,100	10.89
			MECHANICSVILLE VA	23111	A-1	\$127,800	1.50
			MECHANICSVILLE VA	23116	A-1	\$398,700	25.89
			MECHANICSVILLE VA	23111	A-1	\$70,500	5.38
			MECHANICSVILLE VA	23111	A-1	\$91,900	10.02
			MECHANICSVILLE VA	23111	A-1	\$92,300	10.01
			MECHANICSVILLE VA	23111	A-1	\$719,000	102.42
			MECHANICSVILLE VA	23111	A-1	\$10,900	27.00
			MECHANICSVILLE VA	23111	A-1	\$472,900	419.20
			MECHANICSVILLE VA	23111	A-1	\$71,600	152.00
			MECHANICSVILLE VA	23111	A-1	\$57,400	128.70
			MECHANICSVILLE VA	23111	A-1	\$1,300	2.52
			MECHANICSVILLE VA	23111	A-1	\$57,400	128.70
			MIDLOTHIAN VA	23113	A-1	\$2,000	0.79
			MECHANICSVILLE VA	23111	A-1	\$88,800	10.00
			MECHANICSVILLE VA	23111	A-1	\$254,100	4.90
			MECHANICSVILLE VA	23111	A-1	\$88,800	10.00
			MECHANICSVILLE VA	23111	A-1	\$350,000	14.47
			MECHANICSVILLE VA	23111	A-1	\$20,700	57.70
			MIDLOTHIAN VA	23113	A-1	\$528,100	819.78
			MECHANICSVILLE VA	23111	A-1	\$31,000	86.10
			MECHANICSVILLE VA	23111	A-1	\$37,800	6.00
			MECHANICSVILLE VA	23111	A-1	\$370,400	576.00

2,933.79

200' BUFFER AROUND BUILDINGS



100' BUFFER AROUND WATER



Office of Drinking Water

- ArcIMS
 - Enables map data to be displayed via a browser
 - Still developmental
 - Enables user selection of map features

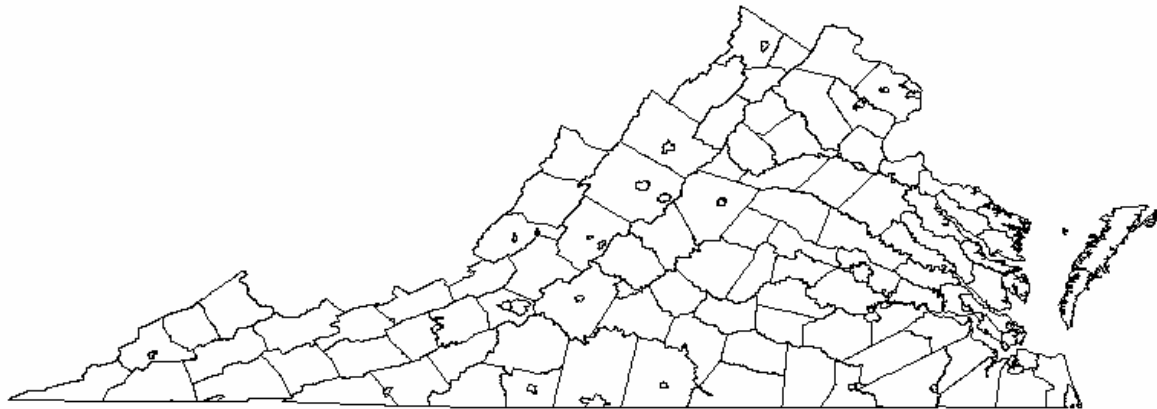


Refresh Map

Layers

Visible Active

☒ ☐ Virginia Counties



Internet Mapping Service provided by the Office of Drinking Water, 2004

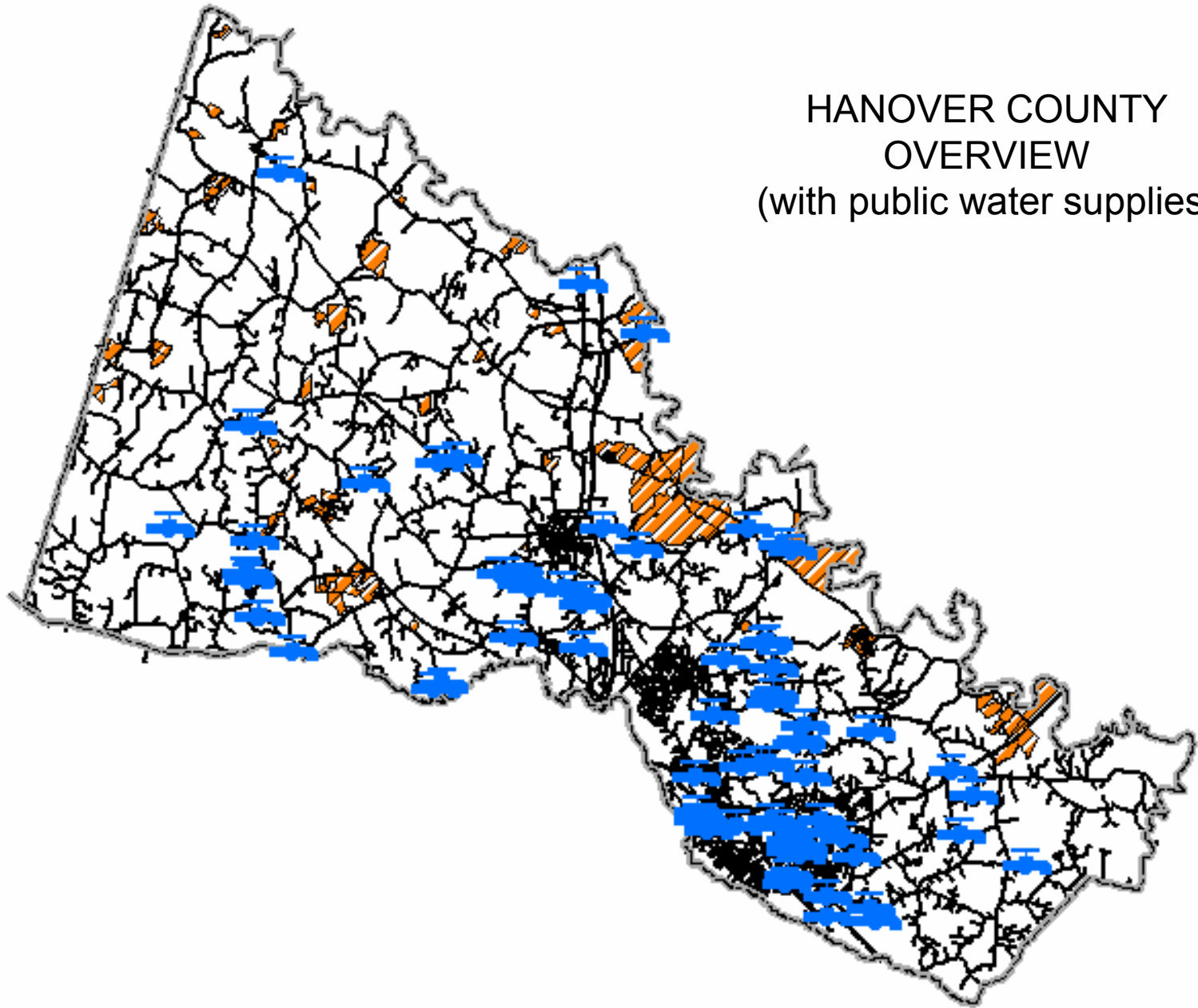
0 125 Miles

A horizontal scale bar with a black outline, used to indicate distance on the map.

Zoom In



HANOVER COUNTY
OVERVIEW
(with public water supplies)



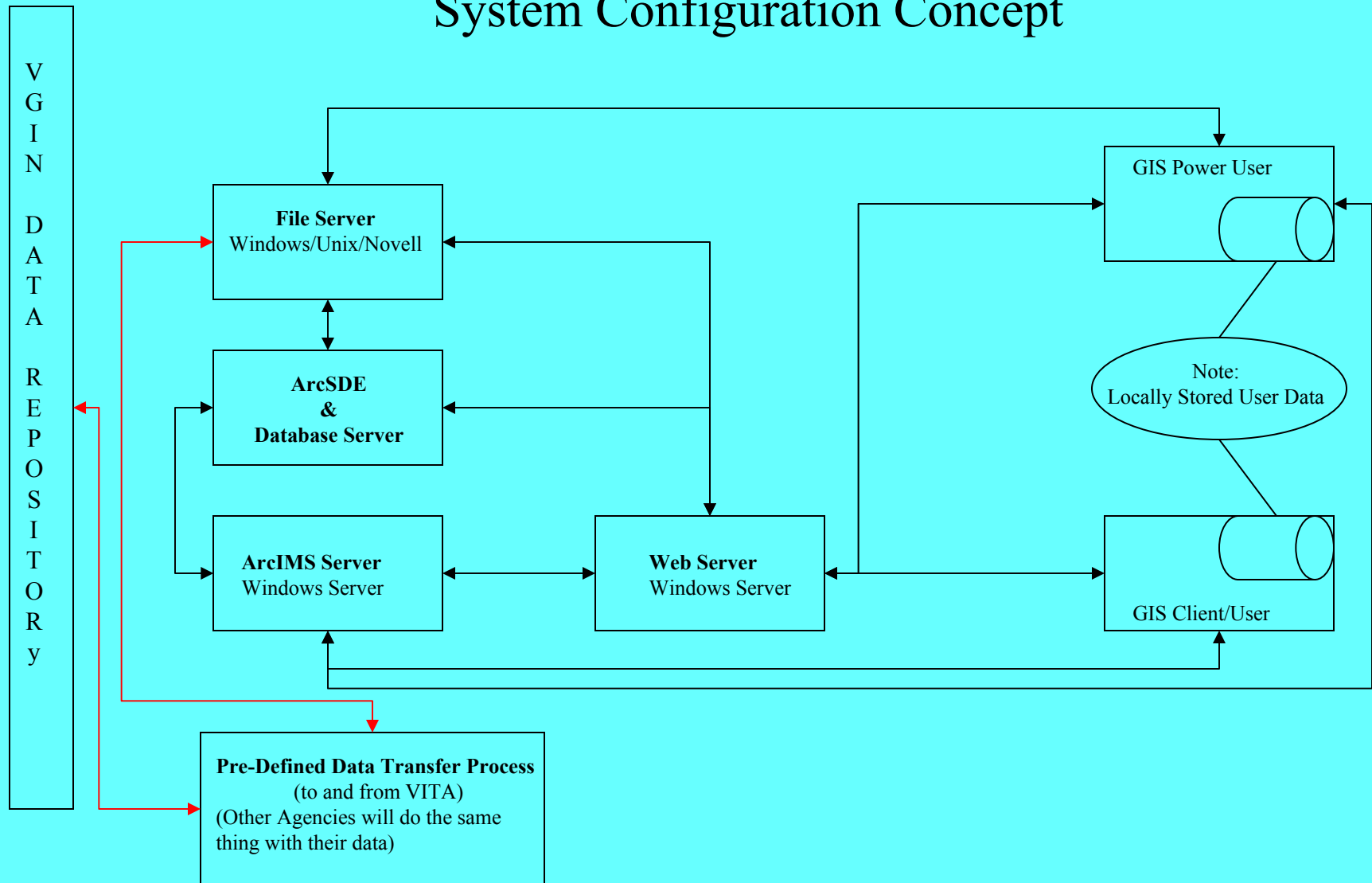
GIS Planning

GIS Program Objectives

1. Create a VDH GIS Enterprise
2. Develop VDH GIS Management Practices
3. Elevate the Expertise of the VDH GIS User Community and Support Staff
4. Maintain a Responsive GIS Technology Service Delivery Model
5. Stewardship of Information

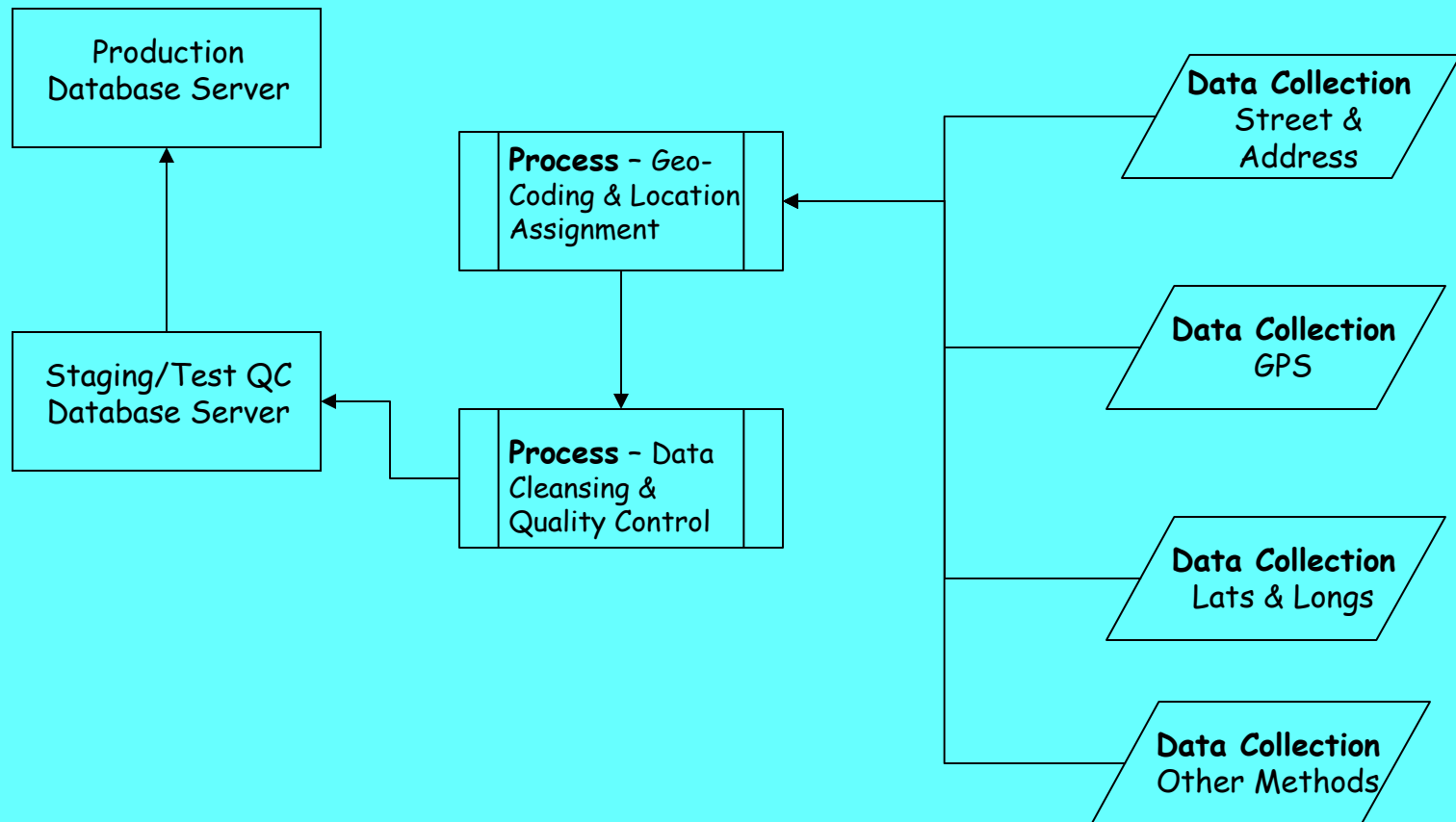
GIS Planning

System Configuration Concept



GIS Planning

Data Update Concept



GIS: Overview/Modeling/Planning

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